

## ABSTRACT

### MEASURING SYSTEM FOR WHEEL PARAMETERS AND MEASURING DETECTOR FOR SUCH A SYSTEM

Measuring system for measuring at least one parameter indicative of the state of the tires of a vehicle, which comprises on each wheel a detector (12) having a parameter sensor (13) and an antenna (15) tuned to a defined frequency, and which comprises a central data processing unit (24) coupled by individual wire links (22) to fixed antennas that are installed near the wheels equipped with sensors. Each parameter sensor comprises a transponder associated with a capacitor to store the power from the associated fixed antenna. At least one of the fixed and mobile antennas is configured in such a way that the link with the other antenna corresponding to the same wheel is substantially independent of the angular position of the wheel.

Figure 1